

WADE-8020

Intel® Core™ i5/ i7 processor based Mini-ITX with DDR3 SDRAM, Dual Display, Dual Gigabit Ethernet and USB Ports



FEATURES

- Intel® Core™ i5 / i7 processor (Quad-Core CPU support)
- Intel® QM57 chipset
- Two 204 pin SO-DIMMs support dual channel DDR3 SDRAM up to 8GB
- One PCI-Express x1 and one PCI Expansion slot
- One Mini-PCIe socket (with USB + PCIE x1 signal)
- Three RS232 ports and one RS232/422/485 port
- Six SATA ports
- Dual Display by VGA / DVI / HDMI / LVDS (24bits)
- Intel® Active Management Technology (Intel® AMT) 6.0

SYSTEM

CPU	Intel® Core™ i5 / i7 processor (PGA 989)
BIOS	AMI uEFI BIOS (SPI ROM)
System Chipset	Intel® QM57
System Memory	Two 204-pin SO-DIMM support dual channel DDR3 SDRAM up to 8GB
Storage	6 x Serial ATA connector high-speed data transfers at up to 3 Gb/s. RAID 0, 1, 5, 10
Watchdog Timer	Programmable via S/W form 1 sec. ~255min.
H/W Status Monitor	Monitoring Temperature, Voltage, and cooling fan status.
GPIO	Onboard programmable 16-bit Digital I/Os
Expansion	-One PCI slot and One PCI-E x1 slot -One Mini-PCIe slot

MECHANICAL & ENVIRONMENTAL

Power Requirement	TBD
Operating Temperature	0~60°C
Operating Humidity	5%-95% non-condensing
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)
Weight	0.94 lbs (0.43 Kg)

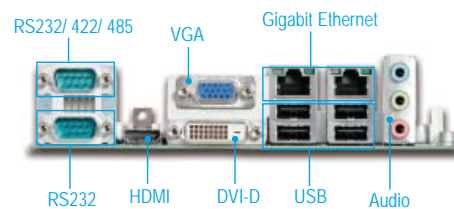
I/O

MIO	-1 x RS232 port, 1 x RS232/422/485: (external) -2 x RS232 with header: (internal)
USB	4 x USB 2.0 ports and 4 x USB 2.0 with header
Audio Interface	Mic-in, Line-in, Line-out
Ethernet Interface	Dual Gigabit Ethernet (Intel® 82574L, Intel® 82577LM supports iAMT 6.0)

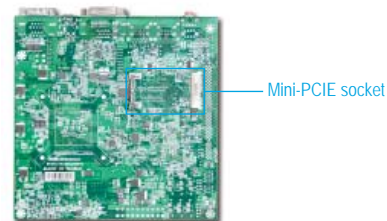
DISPLAY

Chipset	Intel® QM57
Graphic Engine	Intel® Gen 6.0 integrated Graphics Engine
Resolution	Analog Display: Up to 2048 x 1536 (QXGA) Digital LVDS: Up to 1600 x 1200 (UXGA) HDMI: Up to 1920 x 1200 (WUXGA) DVI: Up to 1920 x 1200 (WUXGA)
Multi Display	VGA / DVI / HDMI / LVDS

REAR I/O



SOLDER SIDE



ORDERING GUIDE

■ WADE-8020

Intel® Core™ i5 / i7 processor Based Mini-ITX Board with VGA, 24-bit LVDS, HDMI, Dual GbE LAN, Four COM ports and Eight USB 2.0 ports